

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
23 October 2003 (23.10.2003)

PCT

(10) International Publication Number
WO 03/087106 A1

- (51) International Patent Classification⁷: **C07D 521/00, A61K 31/4196, A61P 31/10**
- (21) International Application Number: **PCT/IB02/01197**
- (22) International Filing Date: **12 April 2002 (12.04.2002)**
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (71) Applicant (*for all designated States except US*): **RAN-BAXY LABORATORIES LIMITED [IN/IN]; 19, Nehru Place, New Delhi 110 019 (IN).**
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **SALMAN, Moham-mad [IN/IN]; P-2/19, Phase - II, DLF Qutab Enclave, Gur-gaon 122 001, Haryana (IN). VERMA, Ashwani, Ku-mar [IN/IN]; 24, Charak Sadan, E-Block, Vikas Puri, New Delhi 110 018 (IN). MALHOTRA, Sanjay [IN/IN]; 185, Double Storey, New Rajinder Nagar, New Delhi 110 060 (IN). RATTAN, Ashok [IN/IN]; B-481, Sarita Vihar, New Delhi 110 044 (IN).**
- (74) Common Representative: **DESHMUKH, Jayadeep, R.; Ranbaxy Laboratories Limited, 600 College Road East, Suite 2100, Princeton, NJ 08540 (US).**
- (81) Designated States (*national*): **AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.**
- (84) Designated States (*regional*): **ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).**
- Published:
— *with international search report*
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*



WO 03/087106 A1

(54) Title: **DERIVATIVES OF 2,2,4-TRISUBSTITUTED TETRAHYDROFURAN AS ANTIFUNGAL AGENTS**

(57) Abstract: The present invention relates to derivatives of 2,2,4-trisubstituted tetrahydrofuran as potential antifungal agents. This invention also relates to pharmaceutical compositions containing the compounds of the present invention and their use in treating and/or preventing the fungal infections in mammals, preferably humans.